



DIESEL EQUIPMENT APPROVAL FORM

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF MINES, MINERALS AND ENERGY
DIVISION OF MINES
PO DRAWER 900
BIG STONE GAP, VIRGINIA 24219
(540) 523-8100

Company Name:			Mine Name or Number:		Mine Index Number:
Address:			Location:		MSHA ID Number:
City:	State:	ZIP:	County:	Office Phone Number:	Mine Phone Number:
Person with Overall Responsibility:				Person in Charge of Health and Safety:	

Equipment #: _____

Manufacturer: _____

Type: _____

MSHA Permissible Approval No.: _____ Power Package Approval No.: _____

Model No.: _____ Serial No.: _____

Engine

Manufacturer: _____ MSHA Cert. Approval No.: _____

Model No.: _____ Serial No.: _____

Number of Cylinders: _____ Horsepower (HP): _____

Ventilation Rate: _____

Exhaust Treatment:

<input type="checkbox"/>	Catalytic Converter	<input type="checkbox"/>	Oxidation Catalytic Converter
<input type="checkbox"/>	Diffuser	<input type="checkbox"/>	Particulate Filter
<input type="checkbox"/>	Scrubber	<input type="checkbox"/>	Other _____

Diesel Equipment Approval

- ☐ Evaluation of undiluted exhaust emissions
- ☐ CO PPM _____ RPM _____
- ☐ Approved plan for stationary diesel-powered equipment
- ☐ Approved plan for diesel-powered portable generator

Operation of Diesel Equipment

- ☐ Free of accumulations of coal dust, oil, grease, fuel and other combustible materials
- ☐ Audible warning device
- ☐ Engine start and stop mechanism
- ☐ Guards over moving components
- ☐ Re-railing device (self-propelled rail equipment only)
- ☐ Sanding devices (self-propelled rail equipment only)
- ☐ Headlights on each end
- ☐ Park and Service brakes
- ☐ Fire suppression system
- ☐ Intake and exhaust couplings in good condition
- ☐ Self-closing filler cap on fuel tank
- ☐ Trolley wire minimum clearance 6 inches or adequately insulated
- ☐ Engine shall not start unless transmission in neutral



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Permissible Equipment

- ☐ Electrical component permissibility maintained
- ☐ Emergency engine shutdown operable
- ☐ Flame arrestors (intake and exhaust) provided
- ☐ Low-level shutdown (water bath/scrubber) operable

Maintenance of Diesel Equipment

- ☐ Hour meter reading: _____
- ☐ Certified diesel mechanic
- ☐ Maintenance manuals available for review
- ☐ Record keeping process established

Ventilation of Diesel Equipment

- ☐ Evaluation of the adequacy of ventilation

Emission testing and evaluation

- ☐ Written procedures for weekly evaluation and test to include
- ☐ Repeatable load test method
- ☐ Sampling and analytical method to measure undiluted exhaust
- ☐ Instrumentation calibration
- ☐ Evaluation and interpretation of sampling results
- ☐ MSHA Engine Approval Data

CO PPM: _____

RPM: _____

Fire protection for diesel-powered equipment

- ☐ Mobile diesel-powered equipment fire suppression system
- ☐ Nozzles and reservoirs placed to provide maximum protection to the fuel tank compartment, battery compartment and hydraulic tanks
- ☐ Stationary diesel-powered equipment system AUTOMATIC fire suppression system

Fuel specifications

Statement from diesel fuel supplier

Date: _____ Sulfur Content: _____ Flash Point: _____ ° F

Comments:

Date Approved: _____

Inspector/Specialist: _____